

APPENDIX E
BIBLIOGRAPHY

APPENDIX E BIBLIOGRAPHY

Abrahamson, N. A. and W. Silva (1997). Empirical Response Spectral Attenuation Relations for Shallow Crustal Earthquakes, *Seis. Re. Letters*, Vol. 68, No.1, 94-127.

Ake., J., J. Wilson, D. Ostenaa, and R. LaForge (1991) "Preliminary Seismic Risk Analysis for the Delta Water Management Study, North Delta;" Seismotectonic Report 91-3, U.S. Bureau of Reclamation, Denver, CO, 40 p.

Almgren, A. A. (1978), "Timing of Tertiary Submarine Canyons and Marine Cycles of Deposition in the Southern Sacramento Valley, California;" in Stanley, D. J., and Kelling, Gilbert, eds., *Sedimentation in Submarine Canyons, Fans, and Trenches*, Stoudsburg, PA, Dowden, Hutchison, and Ross, p. 276-291.

American Society for Testing Materials, Volume 4.08, Soils and Rock; Dimension Stone; Geosynthetics.

Association of California Water Agencies (1991), "California's Water Future, An Overview and Call to Action."

Astaneh, A., V. V. Bertero, B. A. Bolt, S. A. Mahin, J. P. Moehle, and R. B. Seed (1989), "Preliminary Report on the Seismological and Engineering Aspects of the October 17, 1989 Santa Cruz (Loma Prieta) Earthquake;" Earthquake Engineering Research Center, University of California at Berkeley, Report No. UCB/EERC-89/14, 51 p.

Bakun, W. H., R. S. Clark, R. S. Cockerham, W. L. Ellsworth, A. G. Lindh, W. H. Prescott, A. F. Shakal, P. Spudich (1984), "The 1984 Morgan Hill, California, Earthquake," *Science*, Vol. 225.

Ballesteros, R., verbal communication.

Bell, T., verbal communication.

Bender, B. and D. M. Perkins (1987), "SEISRISK III, a Computer Program for Seismic Hazard Estimation;" U. S. Geological Survey, Bulletin 1772, 48 p.

Boore, et al. "Seismological Research Letters", Volume 68, Number 1, January/February 1997, Seismological Society of America.

Bolt, Bruce (1982), "Earthquake Ground Motions, San Joaquin Delta Region."
Boulanger, R. W., Arulnathan, R., Harder, Jr., L.F., Torres, R.A., and Driller, M. W., "Dynamic Properties of Sherman Island Peat" submitted to ASCE Journal of

Geotechnical Engineering, April 1997.

Bureau, et al (1988), Magnitude Scaling for inertial def's.

California Department of Water Resources, Allsup and Duddley (1976), "Organic Isopach Map."

California Department of Water Resources, the Resources Agency, State of California (1957), "Drill Log - Salinity Control Barrier Investigation - Elmwood and Sargent Barnhart Tract."

California Department of Water Resources, State of California (1967), "Pilot Levee Maintenance Study, Sacramento-San Joaquin Delta." Bulletin 167, 24 p.

California Department of Water Resources (1981), "Seismicity Hazards in the Sacramento-San Joaquin Delta;" State of California, Central District, Sacramento, CA, 26 p.

California Department of Water Resources (1982), "Delta Levees Investigation, State of California;" Department of Water Resources Bulletin 192-82.

California Department of Water Resources, Central District (1982), "Discovering and Rediscovering the Fragility of Levees and Land in the Sacramento-San Joaquin Delta, 1870-1879 and Today."

California Department of Water Resources (1983), "Alternatives for Delta Water Transfer."

California Department of Water Resources (1986), "Delta Subsidence Investigation," Progress Report.

California Department of Water Resources (1987), "Sacramento-San Joaquin Delta Atlas."

California Department of Water Resources (1989), "Delta Levee Special Project Investigation, Sacramento-San Joaquin Delta, California."

California Department of Water Resources (1990), "Actions and Priorities, Delta Flood Protection Act, Eight Western Delta Islands."

California Department of Water Resources (1992), "Seismic Stability Evaluation of the Sacramento-San Joaquin Delta Levees".

California Division of Mines and Geology (1975), Note No. 43.

California Division of Mines and Geology (1975), Fault Map of California, Compiled by Charles W. Jennings.

California Division of Mines and Geology (1981), Preparation of Isoseismal Maps and Summaries of Reported Effects for Pre-1900 California Earthquakes, Open File Report 81-11 SAC, EDMG, 182 p.

California Division of Mines and Geology (1996), "Probabilistic Seismic Hazard Assessment for the State of California," by M. Peterson and others (DMG) and A.D. Frankel and others (USGS)

Caltrans (1982), "Geology Map Along Potato Slough Bridge," Route 12, Bridge No. 29-101, Post Mile 4.7, Sheet 1 of 2.

Caltrans (1987), "Geology Map Along Potato Slough Bridge," Route 12, Bridge No. 29-101, Post Mile 4.7, Sheet 4 of 6.

Campbell (1997) "Seismological Research Letters", Volume 68, Number 1, January/February 1997, Seismological Society of America.

Chirapuntu, S. and J. M. Duncan (1975), "The Role of Fill Strength in the Stability of Embankments on Soft Clay University of California, Berkeley."

Chirapuntu, S. and J. M. Duncan (1977), "Cracking and Progressive Failure of Embankments on Soft Clay Foundations," Geotechnical Engineering Report No. TE 75-3, University of California, Berkeley.

Clark, M. M., K. K. Harms, J. J. Lienkaemper, D. S. Harwood, K. R. Lajoie, R. V. Sharp, J. D. Sims, J. C. Tinsley III, Late Quaternary Faults of California; U. S. Geological Survey Open-File Report 84-106.

Cornell (October 1968) "Engineering Seismic Risk Analysis" Bulletin of the Seismological Society of America, Vol. 58, No. 5, pp. 1583-1606.

Converse, Ward, Davis, and Dixon (1981), Partial Technical Background Data for the Mokelumne Aqueduct Security Plan; unpublished report for East Bay Municipal Utility District, Oakland, CA.

Converse, Ward, Davis, and Dixon (1982), Partial Technical Background Data for the Mokelumne Aqueduct Security Plan.

Cornell, C. A. and E. H. Vanmarcke (1969), "The Major Influences of Seismic Risk," Proc. of the 4th World Conference on Earthquake Engineering, Santiago, Vol. 1, p. 69-83.

Dames and Moore (1985), "McDonald Island Levee Stability Study, McDonald Island, California;" unpublished report for Pacific Gas and Electric Company, Vol. 2, data report.
Dames and Moore (1987), "Pipeline 131 Levee Stability Study, Sherman Island, California;" prepared for Pacific Gas and Electric Company.

Dames and Moore (1988), "Reevaluation - Pipeline 131 Levee Stability Study, Sherman Island, California;" prepared for Pacific Gas and Electric Company.

Dames and Moore (1991), "General Seismic and Geotechnical Risk Assessment, Sacramento-San Joaquin Delta, California."

De Alba, P., H. B. Seed, E. Retamal, and R. B. See (1987), "Residual Strength of Sand from Sam Failures in the Chilean Earthquake of March 3, 1985," Earthquake Engineering Research Centra, Report NO. UCB/EERC-87/11, University of California, Berkeley.

Dickenson, S. E. and R. B. Seed (1991), "Correlations of Shear Wave Velocity and Engineering Properties for Soft Soil Deposits in the San Francisco Bay Region." Draft Report EERC 91-XX, Earthquake Engineering Research Center, Report No. UCB/EERC-87/11, University of California, Berkeley.

Donovan, N. C. and A. E. Bornstein (1975), "A Review of Seismic Risk Applications;" Second International Conference on Applications of Statistics and Probability in Soil and Structural Engineering, Aachen, Vol. 1, p. 265-280.

Driller, M. W. (1990), "Analysis of Safe Slopes for Levees in the Sacramento-San Joaquin Delta." Project submitted in partial satisfaction of the requirements for the degree of Master of Science, California State University, Sacramento.

Duncan, J. M. and W. N. Houston (1981), "Estimating Failure Probabilities for California Levees," Geotechnical Journal, American Society of Civil Engineers.

Dutra, E. (1976), "History of Sidedraft Clamshell Dredging in California".

Earth Science Associates (1982), "Seismotectonic Study of Contra Loma Dam and Vicinity;" unpublished contract report to U.S. Bureau of Reclamation, Denver, Colorado, 112 p.

East Bay Municipal Utility District (1982), Addendum to Converse Word Davis Dixon Consultants' December 1981 Report "Partial Technical Background Data for the

Mokelumne Aqueduct Security Plan (MASP);" East Bay Municipal Utility District, Project Engineering Division, Design Section, Oakland, California.

EERI (1990), Reconnaissance Report, Loma Prieta Earthquake of October 17, 1989.

Engineering News Record, October 14, 1991, Funding Quake Repairs Still Draws Controversy, p. 9.

Evening Bee, April 18, 1906.

Finch, M.O. (1983), "Earthquake Damage in the Sacramento-San Joaquin Delta," California Geology, February, p. 39-44.

Finch, M. O. (1987), "Liquefaction Potential of the Sacramento-San Joaquin Delta, California;" Thesis for Master of Science in Geology, University of California, Davis, 181 p.

Finch, M. O. (1988), "Estimated Performance of the Twitchell Island Levee System, Sacramento-San Joaquin Delta, Under Maximum Credible Earthquake Conditions;" Bull. Asso. Geol., Vol. XXV, No. 2, p. 207-217.

Foott (1991), "Investigation of Threatened Levees on Sherman Island." Roger Foott Associates, Inc. Job No. 085-002.

Fredlund, D. (1985), "PC Slope Stability Analysis User's Manual S-30," Geoslope Programming, Ltd.

Frame, R. G. (1944), "Rio Vista Gas Field;" California Division of Oil and Gas, Summary of Operations-California Oil Field, Vol. 30, No. 1, p. 5-14.

Gamble, J. C. (1991), verbal communication with Raphael A. Torres.

Geomatrix (1992). Seismic ground motion study for San Joaquin River - Antioch Bridge, Report to Caltrans, Contract No. 59N772.

Goter, S. K. (1988), "Seismicity of California," National Earthquake Information Center, U.S. Geological Survey.

Gutenberg, B. and C. F. Richter (1954), "Seismicity of the Earth;" Princeton University Press, 2nd ed., P. 16-25.

Gutenberg, B. and C. F. Richter (1956), "Seismicity of the Earth;" Princeton University Press, 2nd ed., p. 16-25.

Hanks, T. C. and H. Kanamori (1979), "A Moment Magnitude Scale;" Journal of

Geophysical Research, Vol. 82, P. 2981-2987.

Hansen, Gladys and Emmet Condon (1989), "Denial of Disaster, The Untold Story of the San Francisco Earthquake and Fire of 1906," Cameron and Company, San Francisco.

Harding Lawson Associates (1990), "Seismic Design Criteria for Wilkerson Dam, Bouldin Island, California."

Harding Lawson Associates (1990), "Bouldin Island Field Testing Results of Downhole Survey and Resonant Column Test for Peat and Silt."

Herd, D. G. (1979), "The San Joaquin Fault Zone - Evidence for Later Quaternary Faulting Along the West Side of the Northern San Joaquin Valley, California;" [abstract] Geological Society of America, Abstract with Programs, Vol. 11, p. 83.

Houston, W. N. and J. M. Duncan (1978), "Probability of Failure of Levees in the Sacramento-San Joaquin Delta, California." Final Report. Sacramento, California.

Idriss, I. M. (1985), "Evaluating Seismic Risk in Engineering Practice;" in proceeding of the 11th International Conference on Soil Mechanics and Foundation Engineering, San Francisco.

Idriss, I. M. (1989), Sample Input File for Computer Program "HAZARD": "SRD. HAZ, Sample No. LA", on HAZARD Diskette.

Idriss, I. M. (1990), "Response of Soft Soil Sites During Earthquakes;" paper presented at a memorial symposium to honor Harry Bolton Seed at Berkeley, California.

Idriss, I. M. (1991), "HAZARD", Seismic-Hazard Evaluation Program (written in QuickBasic), Diskette.

Idriss, I. M. (1991), "Seismic Source Characterization" (draft); originally an appendix to report by Woodward-Clyde Consultants to Rockwell International re: Seismic Hazard Evaluation at the Shuttle Site at Vandenberg Air Force Base.

Idriss, I. M. (1997), San Francisco notes.

Idriss, I. M. (1998), verbal communication with Raphael A. Torres.

Jennings, C. W. (1975), Fault Map of California, Scale 1:750,000, California Division of Mines and Geology.

Jennings, C. W. (1994). Fault activity map of California and adjacent areas with locations

and ages of recent volcanic eruptions, Calif. Div. Mines Geol., Map No. 6.

Joyner, W. B. and D. M. Boore (1981), Peak Horizontal Acceleration and Velocity from Strong-Motion Records, Including Records from the 1979 Imperial Valley, California, Earthquake; Bulletin Seis. Soc. Amer., Vol. 71, p. 2011-2039.

Joyner, W. B. and D. M. Boore (1984), Peak Horizontal Acceleration and Velocity from Strong-Motion Records, Including Records from the 1979 Imperial Valley, California Earthquake, in Bulletin of the Seismological Society of America, Vol. 71, No. 6, p. 2011-2038.

Joyner, W. B. and D. M. Boore (1988), "Measurement, Characterization, and Prediction of Strong Ground Motion;" Spec. Pub. 20, Amer. Soc of Civil Engineers, New York, NY, p. 3-102.

Kanamori, H. (1977) "The Energy Release in Great Earthquakes;" Journal of Geophysical Research, Vol. 82, p. 2981-2987.

Keefer, David K. (1978), "Liquefaction and Damage to Dikes Caused by the Off-Miyagi-Prefecture Earthquake of June 12, 1978. the Miyagi-ken-oki Earthquake of June 12, 1978." Earthquake Engineering Research Inst., Reconnaissance Report.

Khamenehpour, B. (1983), "Seismic Stability Problems in Earth Dam Design." Dissertation submitted in partial satisfaction of the requirements for the degree of Doctor of Philosophy, University of California, Berkeley.

Kjeldsen, K. verbal communication with Raphael A. Torres.

Lawson, A. C., Chairman (1908), "The California Earthquake of April 16, 1906;" Report of the State Earthquake Investigation Commission, Carnegie Institute of Washington Publication 87, Vol. 2.

Lettis and Associates (1999), Preliminary Seismic Source Characterization, Western Sacramento-San Joaquin Delta Region, Northern California.

Lodi Sentinel, May 5, 1906, "The Earthquake Stopped Seepage – Fissure on Bouldin Broke But Closed Again."

Makdisi, F. I. and H. B. Seed (1977), "A Simplified Procedure of Estimating Earthquake-Induced Deformations in Dams and Embankments," Earthquake Engineering Research Center Report UCB/EERC-77/19, University of California, Berkeley.

Marchetti, E., verbal communication with Raphael A. Torres.

Maxey, L., verbal communication with Raphael A. Torres.

McEvilly, T. V. and K. B. Casaday (1967), "The Earthquake Sequence of September 1965 near Antioch, California." *Bulletin of the Seismological Society of America*. Vol. 57, No. 1, p. 113-124.

McClure, C. R. (1956), "Investigation of the Sacramento-San Joaquin Delta, Ground Water Geology;" Report No. 1, Water Project Authority of the State of California.

Miller, Dr. B. J. (1990), "A New View of the Sacramento-San Joaquin Delta."

Mitchell, D., verbal communication with Raphael A. Torres.

NCEER (1997), "Proceeding of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils," held January 5-6, 1996, edited by T. L. Youd and I. M. Idriss.

Newmarch, G. (1985), "Seismicity;" (unpublished report) California Department of Water Resources, Technical Information Record 1462-CD-08, Central District, Delta Impact Analysis Program, 103 p.

New York Tribune, April 19, 1906.

Northrup, J., verbal communication with Raphael A. Torres.

Ostenaa, D., R. LaForge, and J. Wilson (1989), "Preliminary Seismic Risk Analysis for the Delta Water Management Study, South Delta;" (unpublished report) Seismotectonic Report 89-1, U. S. Bureau of Reclamation, Denver, Colorado, 29 p.

Ponce, R., verbal communication with Raphael A. Torres.

Pucci, I., verbal communication with Raphael A. Torres.

Reedy, L., verbal communication with Raphael A. Torres.

River News-Herald and Isleton Journal, January 30, 1980. Salinas Daily Index, April 20, 1906.

Sadigh, et al. (1997) "Seismological Research Letters", Volume 68, Number 1, January/February 1997, Seismological Society of America.

Schnabel, P. B. and H. B. Seed (1973), "Accelerations in Rock for Earthquakes in the Western U. S.;" *Bull. Seis. Soc. Amer.*, Vol. 63, p. 501.

Schnabel, P. B., J. Lysmer, and H. B. Seed (1972), "SHAKE, a Computer Program for Earthquake Response Analysis of Horizontally Layered Sites;" *Earthquake Engineering Research Center, Report No. EERC-72-12, Berkeley, California* 88 p.

Schwartz, D. P., K. J. Coppersmith, and F. H. Swan, III (1984), "Method for Estimating Maximum Earthquake Magnitudes;" *Proceedings for the 8th World Conference on Earthquake Engineering, Vol. I, p. 279-285.*

Seed, H. B., and I. M. Idriss (1970), "Analyses of Ground Motions at Union Bay, Seattle During Earthquakes and Distant Nuclear blasts;" *Bulletin of the Seismological Society of America, Vol. 60, No. 1, p. 125-136.*

Seed, H. B., and I. M. Idriss (1970), "Soil Moduli and Damping Factors for Dynamic Response Analyses;" *Report No. EERC 70-10, Earthquake Engineering Research Center, University of California, Berkeley, California.*

Seed, H. B., C. Ugas, and J. Lysmer (1974), "Site Dependent Spectra for Earthquake-Resistant Design," *Earthquake Engineering Research Center, EERC 74-12, University of California, Berkeley.*

Seed, H. B., F. I. Makdisi, and P. DeAlba (1977), "The Performance of Earth Dams During Earthquakes," *Report No. UCB/EERC 77/20, Earthquake Engineering Research Center, University of California, Berkeley.*

Seed, H. B., and I. M. Idriss (1982), "Ground Motions and Soil Liquefaction During Earthquakes;" *Monograph No. 5, Monograph Series, Earthquake Engineering Research Institute, Berkeley, California, 134 p.*

Seed, H. B., I. M. Idriss and I. Arango (1983), "Evaluation of Liquefaction Potential Using Field Performance Data;" *ASCE Journal of Geotechnical Engineering, Vol. 109, No. 3, p. 458-482.*

Seed, H. B., et al. (1984), "Moduli and Damping Factors for Dynamic Analyses of Cohesionless Soils," *Report No. EERC 84-14, Earthquake Engineering Research Center, University of California, Berkeley.*

Seed, H. B., K. Tokimatsu, L. F. Harder, R. M. Chung (1984), "The Influence of SPT Procedures in Soil Liquefaction Resistance Evaluations," *Earthquake Engineering Research Center, Report No. UCB/EERC-84/15, University of California, Berkeley.*

Seed, H. B., R. B. Seed, S. S. Lai, and B. Khamenehpour (1985), "Seismic Design of Concrete Faced Backfill Dams," Procs., Symposium on Concrete Face Rockfill Dams -- Design, construction, and Performance, ASCE, Detroit, Michigan.

Seed, R. B., and L. F. Harder (1990), "SPT Based Analysis of Cyclic Pore Pressure Generation and Undrained Residual Strength," Proceedings, H. Bolton Seed Memorial Symposium.

Seed, R. B., et al. (1990), "Preliminary Report on the Principal Geotechnical Aspects of the October 17, 1989 Loma Prieta Earthquake," Report No. EERC 90-05, Earthquake Engineering Research Center, University of California, Berkeley.

Shimasaki, K., verbal communication with Raphael A. Torres.

Shlemon, R. J., E. L. Begg, and A. B. Carlton (1973), "Holocene Evolution of the Sacramento-San Joaquin Delta, California;" International Union for Quaternary Research Sponsored by the Royal Society of New Zealand.

Shlemon, R. J. and E. L. Begg (1975), "Holocene Evolution of the Sacramento-San Joaquin Delta, California;" International Union for Quaternary Research Sponsored by the Royal Society of New Zealand.

Slemmons, D. B. (1982), "Determination of Design Earthquake Magnitudes for Microzonation," in Proceedings of the Third International Earthquake Microzonation Conference, Vol. 1, p. 119-130.

Smart, J. D. and L. L. Von Thun (1983), "Seismic Design and Analysis of Embankment Dams - Recent Bureau of Reclamation Experience," published in Seismic Design of Embankments and Caverns, ASCE Publisher, Terry Howard, Editor.

Stover, C. W., G. R. Reagor, F. W. Baldwin, and L. R. Brewer (1990), "Preliminary Iseismal Map for the Santa Cruz (Loma Prieta), California Earthquake of October 18, 1898," UTC: U. S. Geological Survey, Open-File Report 90-18.

Sun, J. I. et al. (1988), "Dynamic Moduli and Damping Ratios for Cohesive Soils," Report No. EERC 88-15. Earthquake Engineering Research Center, University of California, Berkeley.

Sykora, D. W. (1987), "Creation of a Data Base of Seismic Shear Wave: Velocities for Correlation Analysis;" U. S. Army Corps of Engineers, Miscellaneous Paper GL-87-26, Vicksburg, Mississippi, 97 p.

Thompson, J. (1982), "The People of the Sacramento Delta," Golden Notes, Sacramento

Historical Society.

Toppazada, T. R., D. L. Parke and C. T. Higgins (1978), "Seismicity of California 1900-1931," CDMG Spec. Rept. 135, 39 p.

Toppazada, T. R., C. R. Real, and D. L. Parke (1981), "Preparation of Isoseismal Maps and Summaries of Reported Effects for pre-1900 California Earthquakes;" California Division of Mines and Geology open-file report 81-11 SAC, Sacramento, California, 182 p.

Trifunac, J. D. and A. G. Brady (1975), "On the Correlation of Seismic Intensity Scales With the Peaks of Recorded Strong Ground Motion," Bulletin of the Seismological Society of America, Vol. 65, No. 1.

U. S. Army Corps of Engineers (1982), "Sacramento-San Joaquin Delta, California," Sacramento District. Documentation Report.

U. S. Army Corps of Engineers (COE) (1987), Office Report, "Sacramento-San Joaquin Delta Levees, Liquefaction Potential," Geotechnical Branch, U. S. Army Engineer District, Sacramento, 116 p.

U. S. Army Corps of Engineers (1987), "Sacramento-San Joaquin Delta Levees Liquefaction Potential," Office Report.

U. S. Geological Survey (USGS) (1988), "Probabilities of Large Earthquakes in California on the San Andreas Fault;" by the Working Group on California Earthquake Probabilities, USGS open-file report 88-398, Menlo Park, California, 62 p.

U. S. Geological Survey (USGS) (1990), "Probabilities of Large Earthquakes in the San Francisco Bay Region, California;" by the Working Group on California Earthquake Probabilities, USGS Circular 1053, 51 p.

U. S. Geological Survey (USGS) (1996), "Probabilistic Seismic Hazard Assessment for the State of California," by M. Peterson and others (DMG) and A.D. Frankel and others (USGS)

Unruh, J. R. and E. M. Moores (1991), "Quaternary Blind Thrusting in the Southwestern Sacramento Valley, California," Manuscript (second revision), submitted to Tectonics (in press).

Von Thun, J. L. and C. W. Harris (1981), "Estimation of Displacements of Rockfill Dam Due to Seismic Shaking," Prakesh, S., ed., Proceedings of the International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, Vol. 1, St. Louis, Missouri, P. 417-423.

Von Thun, J. L., L. H. Roehm, G. A. Scott, and J. A. Wilson (1988), "Earthquake Ground Motions for Design and Analysis of Dams," Von Thun, J. L., ed., Proceedings of the Specialty Conference Earthquake Engineering and Soil Dynamics II - Recent Advances in Ground Motion Evaluation, A.S.C.E. Geotechnical Special Publication No. 20, P. 463-481.

Vucetic and Dorby (1991), "Effect of Soil Plasticity on Cyclic Response." ASCE Journal of Geotechnical Engineering, Vol 117, No. 1, p. 89-107.

Wallace, R. E. (1990), "The San Andreas Fault System, California," U. S. Geological Survey Professional Paper P1515.

Wells, D. and K. Coppersmith (1994). Updated empirical relationships among magnitude, rupture length, rupture area, and surface displacement, *Bull Seism. Soc. Am.*, Vol 84, 974-1002.

Wesnousky, S. G. (1986), "Earthquakes, Quaternary Faults, and Seismic Hazard in California," Journal of Geophysical Research, Vol. 91, No. B12, P 12, 587-12, 631.

Wills, C. J. and E. W. Hart (1992), "Alquist-Priolo Investigations of the Concord Fault: A Progress Report," presented at the Second Conference on Earthquake Hazards in the Eastern San Francisco Bay Area, California State University, Hayward.

Wong, I. G., R. W. Ely, and A. C. Kollman (1988). Contemporary seismicity and block tectonics of the northern California and central Coast ranges-Sierran Block Boundary Zone, California, Journal of Geophysical Research, 93, 7813-7833.

Wong, I. G. (Woodward-Clyde Consultants, Walnut Creek, California) (1991), verbal communication with Raphael A. Torres.

Wong, I. G. (Woodward-Clyde Consultants, Walnut Creek, California) (1991), written communication.

Youd, T. L. and S. N. Hoose (1978), "Historic Ground Failures in Northern California Triggered by Earthquakes," Geological Survey Professional Paper 993. Washington, D.C., U. S. Department of the Interior, Geological Survey.